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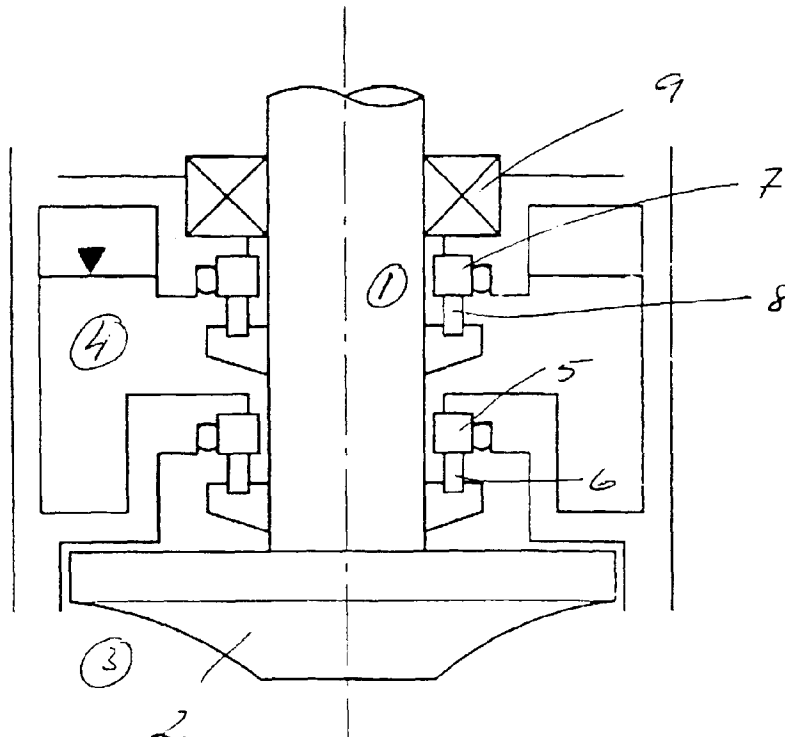
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(54) **Mechanical seal**

(57) The invention concerns a mechanical face seal being a part of a seal arrangement for a submersible machine such as a pump or a mixer.

In order to secure that liquid that may have penetrated the seal adjacent the driving unit of the machine to cause damage, the seal is designed as a pumping seal which immediately returns said liquid.



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EUROPEAN SEARCH REPORT

Application Number
EP 97 85 0153

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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A	US 5 421 593 A (ARITSUBO HIROFUMI ET AL) 6 June 1995 * column 1, line 6-11 * * column 1, line 61 - column 2, line 27 * * column 2, line 66 - column 3, line 11 * * figures 2-4 * ---	1,2	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) F16J
Place of search	Date of completion of the search	Examiner	
THE HAGUE	21 April 1999	Van Wel, O	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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